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|-----|--------|------|--|
|     |        |      |  |

| Applica | tion/Control | No. |
|---------|--------------|-----|
|         |              |     |

10/779,675

HSIEN, CHIH-CHING
Art Unit

Applicant(s)/Patent under Reexamination

Examiner

Alvin J. Grant

3723

| <b>√</b> | Rejected |
|----------|----------|
| 1        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      |          |          |          |          | Date     | •        |          |          |          |  | Cla      | im       |          |          |   | Da                                     | te       |                 |          | 7          | CI    | aim        |  |                 |          |          | Date      | е        |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|----------|----------|----------|----------|---|--|----------|-----------------|----------|------------|-------|------------|--|-----------------|----------|----------|-----------|----------|----------|----------|----------|
|          |          |          |          |          |          |          |          |          |          |          |  |          | -        |          |          |   |  | T        | П               |          | 7          |       |            | Γ  |                 |          |          |           |          |          | $\neg$   |          |
| Final    | Original | 8/20/05  |          |          |          |          |          |          |          |          |  | Final    | Original |          |          | ı   |  |          |                 |          |            | Final | Original   | l  |                 |          |          |           |          | Ιl       |          | ١. ا     |
| 垣        | Š        | 8/2      |          |          |          |          |          |          |          |          |  | 這        | Ä        |          |          |   |  |          |                 |          |            | 這     | Ę          | l  |                 |          |          |           |          | Ιl       |          |          |
|          |          | L        |          | _        | _        |          |          |          |          |          |  |          |          | Ш        |          |   | $\perp$                                | ┸        |                 | _ _      | _          |       |            | L  | Ш               |          |          |           |          |          |          |          |
|          | 1        | 4        |          | $\Box$   | _        | _        |          | Ш        | Ш        |          |  |          | 51       |          |          | $\perp$   | $\perp$                                | $\perp$  | $\perp$         |          |            |       | 101        |  |                 |          |          |           |          | Ш        |          |          |
| L        | 2        | 7        |          |          | _        | _        | _        | Ш        | $\sqcup$ | _        |  |          | 52       |          |          | _ _   | 1                                      | ↓_       | Ш               | L        | _ ::::     |       | 102        |  | Ш               | _        |          |           |          |          |          |          |
|          | 3        | =        | _        | _        | 4        | _        | _        | $\Box$   | $\dashv$ |          |  |          | 53       |          |          |   | _                                      | ↓_       | $\sqcup$        | _ _      | _          |       | 103        | L  | Ш               | _        |          |           |          | ш        |          |          |
| -        | 4        | =        | Щ        | -        |          | 4        | _        | 4        | 4        | _        |  |          | 54       | Ш        |          | -   |  | 4        | $\perp \perp$   | -        | _          |       | 104        | ㄴ  | Ш               | _        |          |           |          | $\dashv$ |          |          |
|          | 5        | =        | Н        | $\dashv$ | -        | $\dashv$ | _        | $\dashv$ | _        | _        |  |          | 55       | $\vdash$ | _        |   | - -                                    | ╁        | $\vdash$        | -        | _          |       | 105        | ╙  | $\sqcup$        | _        |          |           |          | $\dashv$ | _        |          |
|          | _6<br>7  | =        |          | -        | -        |          | $\dashv$ | $\dashv$ |          |          |  |          | 56       | Н        | -        | +   | +                                      | +        | $\vdash$        | +        | -          |       | 106        | <u> </u>   | $\vdash$        | 4        |          |           |          | $\dashv$ | _        | 4        |
|          | 8        | _        | $\vdash$ | $\dashv$ | -        | -        | $\dashv$ |          |          |          |  |          | 57<br>58 | -        | $\dashv$ | +   | ╁                                      | +-       | +               | -        | -          |       | 107        | ⊢  | $\vdash$        | $\dashv$ |          |           |          | $\vdash$ | -        | ႕        |
| -        | 9        |          |          | +        |          |          |          |          | -        |          |  | <u> </u> | 59       | Н        | $\dashv$ |   |  | ╁        | ╁╌╢             |          | -          |       | 108        | <del> </del>                                     | Н               | $\dashv$ |          |           |          | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 10       | _        | -        | $\dashv$ | ┪        |          | $\dashv$ | -        | $\dashv$ |          |  | -        | 60       | Н        | $\dashv$ | +   | ╁                                      | ╀╌       | ╁               | +        | -          |       | 109<br>110 | -  | H               | -        |          | -         |          | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u> | 11       |          | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | ┪        |          | $\dashv$ | _        |  |          | 61       | $\vdash$ | $\dashv$ | +   | ╁                                      | ╁        | +               |          | -          |       | 111        | _  | Н               | $\dashv$ |          | $\dashv$  |          | $\dashv$ | $\dashv$ |          |
|          | 12       |          | $\vdash$ | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\dashv$ |          |  | -        | 62       | Н        | $\dashv$ | +   | ╁                                      | +        | +               | -        | -          |       | 112        | $\vdash$   | $\vdash \vdash$ | $\dashv$ | _        | -         | Н        | $\vdash$ | $\dashv$ | $\dashv$ |
|          | 13       | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | $\dashv$ |          |  |          | 63       | $\vdash$ | $\dashv$ | +   | +                                      | +-       | $\vdash$        | +        | -          |       | 113        | $\vdash$   | ┝─┤             | $\dashv$ |          | -         | -        | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 14       |          | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        |          |  |          | 64       | $\vdash$ | 十        | $\dashv$  | +                                      | +        | +               | $\dashv$ | -          | -     | 114        | <del>                                     </del> | H               | $\dashv$ | $\dashv$ |           | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 15       | П        |          | $\dashv$ | 7        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          |  |          | 65       | $\vdash$ | 十        | ┪   | +                                      | +        | +               | $\dashv$ | -          |       | 115        | $\vdash$   | -               | $\dashv$ |          | $\dashv$  | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 16       |          |          | $\neg$   | T        | _        | $\neg$   |          | 7        |          |  |          | 66       | Н        | 一        |   | +                                      | ╁        |                 |          | -          |       | 116        | $\vdash$   | $\vdash$        | -        | _        | $\dashv$  | -        | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 17       |          |          | $\dashv$ | $\dashv$ | $\neg$   | $\dashv$ |          | 7        | T        |  | $\vdash$ | 67       |          | $\dashv$ | $\dashv$  | +                                      | +        | $\vdash \vdash$ | $\dashv$ | ا!!!       | -     | 117        | $\vdash$   |                 | ᅱ        | $\neg$   | -         | H        | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 18       |          |          | 7        | ヿ        |          | $\neg$   |          | $\neg$   |          |  |          | 68       |          | 一        | $\neg$  | +                                      | +        |                 | _        | ⊣᠁         |       | 118        | $\vdash$   | $\vdash$        | ┪        | $\neg$   |           | $\vdash$ | $\dashv$ | ᅥ        | $\dashv$ |
|          | 19       |          |          |          |          |          | $\neg$   | $\neg$   | $\neg$   |          |  |          | 69       |          | $\neg$   | 一门  | +                                      | †        | $\Box$          | $\dashv$ | اااا       |       | 119        | <u> </u>   |                 | 一        | _        | $\neg$    |          | $\dashv$ | ᅥ        | 一        |
|          | 20       |          |          |          |          |          | П        |          |          |          |  |          | 70       |          |          |   | ┪                                      |          | П               |          | 7          |       | 120        |  |                 |          | _        |           | П        | $\neg$   | ᅦ        | $\dashv$ |
|          | 21       |          |          |          |          |          |          |          |          |          |  |          | 71       |          |          | $\neg$  | Т                                      | T        | $\sqcap$        |          | 7          |       | 121        |  | $\Box$          | 寸        |          |           |          | $\neg$   |          | $\neg$   |
|          | 22       |          |          |          | Ī        |          |          |          |          |          |  |          | 72       |          |          |   |  |          | П               |          | 7          |       | 122        |  |                 |          |          |           |          | $\Box$   | $\neg$   | $\neg$   |
| L        | 23       |          |          |          |          |          |          |          |          |          |  |          | 73       |          |          |   |  |          |                 |          |            |       | 123        | П  | П               |          | $\neg$   | $\neg$    |          |          | $\neg$   | ヿ        |
|          | 24       |          |          |          | _        |          |          | _        | $\perp$  |          |  |          | 74       |          |          |   |  |          |                 |          |            |       | 124        |  |                 |          |          |           |          |          | $\neg$   |          |
|          | 25       | $\Box$   | _        |          | _        | _        | _        |          | _        |          |  |          | 75       |          |          |   |  | _        |                 |          |            |       | 125        |  |                 |          |          |           |          |          |          |          |
|          | 26       |          | _        | _        | _        |          | _        | _        | _        | _        |  |          | 76       |          |          | $\perp$   | ┸                                      | _        | Ш               |          |            |       | 126        |  |                 |          |          |           |          |          |          |          |
| <u> </u> | 27       | _        | _        | $\dashv$ | 4        | _        | _        | _        | _        | _        |  |          | 77       | Ш        | _        | _   | ــــــــــــــــــــــــــــــــــــــ | <u> </u> | $\sqcup$        |          | _ ::::     |       | 127        |  | Ш               |          | _        | _         |          |          |          |          |
|          | 28       | _        |          | 4        | _        | _        | _        | _        | _        | 4        |  |          | 78       |          | _        | _   | _                                      | <u> </u> | 1_              |          | 4          |       | 128        |  |                 |          | _        |           |          | _        |          | ]        |
|          | 29       | _        |          | -        | _        |          |          |          | _        | 4        |  |          | 79       |          | 4        |   | +                                      | Ė        | $\sqcup$        | _        | ااااا      |       | 129        |  | $\sqcup$        | _        |          |           |          | _        |          | _        |
| -        | 30       | -        | $\dashv$ | -        | -        |          | -        | -        | $\dashv$ |          |  |          | 80       | $\sqcup$ | 4        |   | 4                                      | ↓_       | $\vdash$        | _        | -          |       | 130        |  | Ш               | - 1      |          |           |          | $\dashv$ | $\dashv$ |          |
|          | 31<br>32 | -        |          | +        | $\dashv$ | -        |          | $\dashv$ | -        | $\dashv$ |  |          | 81       | $\dashv$ | $\dashv$ |   | +                                      | ╀        | $\vdash$        |          | -          |       | 131        | _  | $\dashv$        | $\dashv$ | _        | _         |          | $\dashv$ | _        | _        |
| $\vdash$ | 33       |          | -        | $\dashv$ | $\dashv$ | -        | -        |          | $\dashv$ | -        |  |          | 82<br>83 |          | $\dashv$ | +   | 4                                      | -        | -               |          | -          |       | 132        | _  | $\vdash$        | -        | _        | _         |          | $\dashv$ | $\dashv$ | 4        |
| $\vdash$ | 34       |          | $\dashv$ | -        | $\dashv$ | $\dashv$ | -        |          | $\dashv$ | -        |  |          |          | $\dashv$ | $\dashv$ | -   |  | ╀        | $\vdash$        |          | -          |       | 133        | Н  | -               |          | -        |           | _        | $\dashv$ | $\dashv$ |          |
| -        | 35       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |  |          | 84<br>85 | -        | $\dashv$ | $\dashv$  | +-                                     | +        | $\vdash$        | +        | -          |       | 134        | Ш  | $\vdash \vdash$ | $\dashv$ | -        | -         |          | $\dashv$ | $\dashv$ | _        |
|          | 36       |          | -        | $\dashv$ | $\dashv$ | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ |  |          | 86       | $\dashv$ | +        | +   | ╁                                      | +        |                 | +        | -          |       | 135<br>136 | $\vdash$   | $\vdash \vdash$ | $\dashv$ | $\dashv$ | 4         | -        | $\dashv$ | $\dashv$ | _        |
| $\vdash$ | 37       |          | -        | +        | $\dashv$ | -        | $\dashv$ | +        | +        | $\dashv$ |  |          | 87       | $\vdash$ | $\dashv$ | +   | +                                      | +        | ┯               | $\dashv$ | -          |       | 137        | Н  | $\vdash \vdash$ | -        |          | -         | $\dashv$ | $\dashv$ |          |          |
| $\vdash$ | 38       | $\dashv$ | $\dashv$ | +        | +        | $\dashv$ | $\dashv$ | -        | -+       | $\dashv$ |  |          | 88       | $\vdash$ | +        | +   | +                                      | +        | ┥               | ┽        | -          |       | 137        | H  | ⊣               |          |          | $\dashv$  |          | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 39       | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ | +        | $\dashv$ | ᅱ        |  |          | 89       |          | $\dashv$ | +   | +-                                     | $\vdash$ | $\vdash$        | -        | -          |       | 139        | $\vdash$   | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$ | 40       | $\neg$   | $\dashv$ | $\dashv$ | +        | $\dashv$ | -        | $\dashv$ | _        | $\dashv$ |  |          | 90       |          | $\dashv$ | +   | +                                      | $\vdash$ | 1-              | +        | -          |       | 140        | $\vdash$   | $\dashv$        | $\dashv$ | +        | $\dashv$  |          | $\dashv$ |          | $\dashv$ |
|          | 41       | $\neg$   | 7        | $\dashv$ | +        | $\dashv$ | 7        | $\dashv$ | 寸        | $\dashv$ |  |          | 91       | -        | $\dashv$ | +   | +                                      | $\vdash$ |                 | +        | <b>- </b>  |       | 141        | $\vdash$   | $\vdash \vdash$ | $\dashv$ | +        | $\dashv$  | ᅱ        | +        | $\dashv$ | $\dashv$ |
|          | 42       |          | 7        | $\top$   | $\dashv$ | 十        | $\dashv$ | $\neg$   | $\dashv$ | ヿ        |  |          | 92       | $\dashv$ | $\dashv$ | $\top$  | +-                                     | T        | $\vdash$        | $\dashv$ | 1          |       | 142        | $\vdash$   | $\dashv$        | +        | +        | $\dashv$  | $\dashv$ | +        | $\dashv$ | $\dashv$ |
|          | 43       | $\Box$   | $\dashv$ | 1        | 1        | 寸        | $\lnot$  | $\neg$   | 寸        | $\neg$   |  |          | 93       | $\neg$   | $\dashv$ | $\top$  | $\top$                                 | T        | 1               | _        | 1          |       | 143        | Н  | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$  | -        | 十        | $\dashv$ | $\dashv$ |
|          | 44       |          | $\Box$   |          |          |          |          |          |          |          |  |          | 94       |          | 寸        | 十   | $\top$                                 |          | $\vdash$        | $\dashv$ | 71111      |       | 144        | $\Box$   | $\dashv$        | $\dashv$ | 7        | $\dashv$  | $\neg$   | $\dashv$ | -        | $\dashv$ |
|          | 45       | $\Box$   |          |          |          |          |          |          |          |          |  |          | 95       |          | 一        | 十   | T                                      | Τ        | $\Box$          | _        | ا اا       |       | 145        | Н  |                 | $\dashv$ | $\dashv$ | $\dashv$  | $\neg$   | $\dashv$ | $\dashv$ | ㅓ        |
|          | 46       |          |          |          |          |          | 丁        | 丁        | $\Box$   |          |  |          | 96       |          |          | T   | T                                      | Г        | $\sqcap$        | $\neg$   | 7 <b> </b> |       | 146        | $\neg$   |                 | 一        | $\dashv$ | $\exists$ | _        | $\top$   | $\dashv$ | ᅱ        |
|          | 47       |          |          |          |          | $\Box$   | $\Box$   | $\Box$   | $\Box$   |          |  |          | 97       |          |          |   | Ι                                      |          |                 |          | <b>]</b>   |       | 147        |  |                 | $\dashv$ | 7        | 寸         |          | 十        | $\dashv$ | ᅱ        |
|          | 48       |          |          |          | $\prod$  |          |          |          | $\Box$   |          |  |          | 98       |          |          | J   | Ι                                      |          |                 |          | ]          |       | 148        |  |                 | $\dashv$ | 7        | $\neg$    | 口        | $\top$   | $\dashv$ | $\dashv$ |
|          | 49       | [        | _[       | $\bot$   |          | [        | $\Box$   | $\Box$   | $\bot$   |          |  | I        | 99       |          |          | I   | Γ                                      |          |                 |          | ]          |       | 149        |  |                 | ╗        |          | _         |          | 十        | $\dashv$ | ヿ        |
|          | 50       |          |          |          |          | $\perp$  | $\perp$  |          | $\perp$  |          |  |          | 100      |          | $\bot$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | L                                      |          |                 |          | ][         |       | 150        |  |                 | I        |          |           |          | コ        | ᅼ        | $\neg$   |